AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1-15 (Cancelled).

16. (New) A mobile communication system using HSDPA (High Speed Downlink Packet Access) in which one physical channel is used by a plurality of mobile stations in common in a time division form and scheduling for executing radio transmission on the physical channel is conducted by a base station,

wherein the base station has a ciphering function of preventing control signals and user information directed to the mobile station from being intercepted illegally in a radio section, and

wherein a ciphering counter used for the ciphering function comprises an HFN (Hyper Frame Number) and an SFN (Cell System Frame Number counter).

17. (New) In a mobile communication system using HSDPA in which one physical channel is used in common by a plurality of mobile stations in a time division form, a base station for conducting scheduling to execute radio transmission on the physical channel,

wherein the base station has a ciphering function for preventing control signals and user information directed to the mobile station from being intercepted illegally in a radio section, and

wherein a ciphering counter used for the ciphering function comprises an HFN and an SFN.

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18. (New) An HSDPA transmission method using HSDPA in which one physical channel is used by a plurality of mobile stations in common in a time division form and scheduling for executing radio transmission on the physical channel is conducted by a base station,

wherein the base station executes a ciphering function for preventing control signals and user information directed to the mobile station from being intercepted illegally in a radio section, and

wherein a ciphering counter used for the ciphering function comprises an HFN and an SFN.